Configuration CGSMini\_Robot01AxisMaster

A screenshot of a computer

Description automatically generated

Link with the global variable

{attribute 'TcNcAxis' := '.Line1Front := CGSMini\_Robot01AxisLine1Front;

.Line1Back := CGSMini\_Robot01AxisLine1Back;

.Line2Front := CGSMini\_Robot01AxisLine2Front;

.Line2Back := CGSMini\_Robot01AxisLine2Back;

.Master := CGSMini\_Robot01AxisMaster'}

stAX : ST\_Robot\_Axes;

Test code to Power-on (enable) virtual axis

fbPower(

Axis:= G.stAX.Master,

Enable:= bPower,

Enable\_Positive:= bPower,

Enable\_Negative:= bPower,

Override:= 100.0,

Status=>bPowerStatus,

Busy=>bBusy ,

Error=>bError,

ErrorID=> errId);

fbReset(

Axis:= G.stAX.Master,

Execute:= bReset,

Done=> bResetDone,

Busy=> bBusy,

Error=>bError,

ErrorID=>errId);

CASE stm OF

10:

bPower := TRUE;

stm := 20;

20:

IF G.stAX.Master.Status.Error THEN //really at the level of NC

stm := 30;

ELSE

stm := 50;

END\_IF

30:

bReset := TRUE;

stm := 40;

40:

IF bResetDone THEN

bReset := FALSE;

stm := 50;

END\_IF

50:

bPowerStatus := fbPower.Status;

IF bPowerStatus THEN

stm := 0;

END\_IF

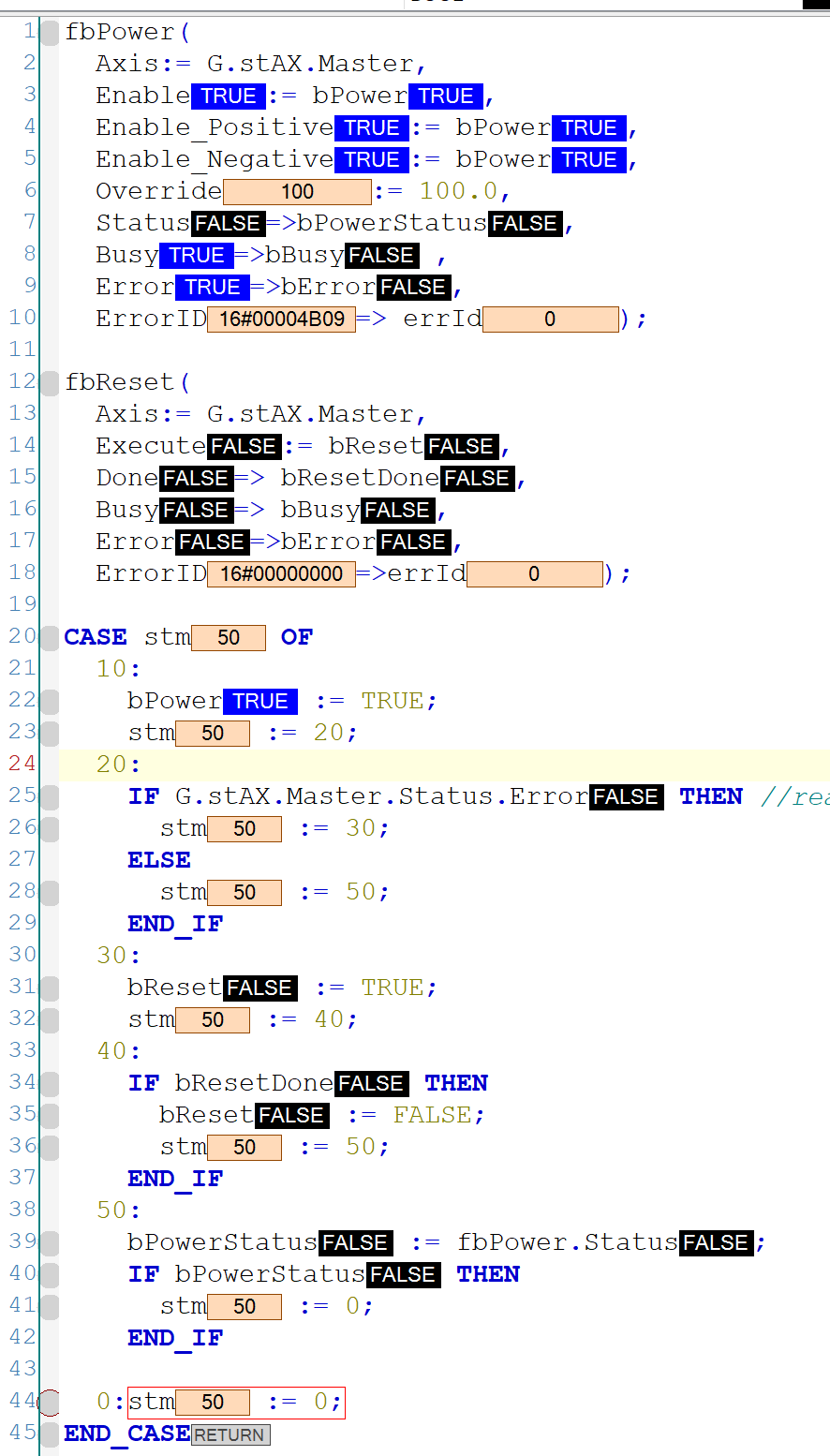
0:stm := 0;

END\_CASE

**Results when running the code:**

**fbPower.Status RETURN always FALSE, but the virtual axis is enabled!!! Why??**

**I want to underline that the same code can enable axis linked with real hardware without any issue.**



A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated